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WHAT IS CLAIMED IS
CL-A-I-M-S'

1. Sterilisation apparatus for medical instruments and the like objects which is easy to handle and/or remove and which is mainly formed by a casing provided with a sterilisation boiler and means for performing the sterilisation process, characterized in that the sterilisation apparatus comprises a double-walled boiler whereby fluid such as demineralised water being present between the inner and the outer wall by which a stable temperature of the boiler wall can be achieved as well as steam generated therefrom.
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2. Apparatus according to claim 1, characterized in that at least regulators and heating elements in said double boiler walls can provide for a stable fluid temperature.
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3. Apparatus according to claim 1 or 2, characterized in that means are present for feeding steam for the sterilisation process pulsatingly into said boiler, as well as means which can also provide a pulsating vacuum in said boiler such that air in the instruments or the like objects which are to be sterilised can be removed.
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4. Apparatus according to any of preceding claims 1-3, characterized in that means are present for setting, respectively measuring pressure, temperature, time and output for controlling all phases occurring within said boiler before, during and after the sterilisation process.
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5. Apparatus according to claim 4, characterized in that the means are controlled by a process computer which displays various data read-outs digitally and/or alphanumerically and/or graphically, e.g. to an internal or external printing apparatus (printer).
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6. Apparatus according to any of the preceding claims, characterized in that a (time) switch clock for use of "stand-by" purposes, such as for heating-up of and maintaining the temperature of said boiler, is available.
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7. Apparatus according to any or several of the preceding claims, characterized in that the sterilisation space of the boiler is provided with
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- Sel A2*
- lateral supports for a number of standard plateaus on which instruments, whether wrapped or not, and/or bandage substances may be placed.
- 5 8. Apparatus according to any or several of the preceding claims, characterized in that the front or feed side of the boiler can be sealed pressure-tight by means of a heat-isolating hinged door provided with an incorporated nut whereby the casing to that end is provided with a swivelable hermetically sealing screw.
- 10 *Sel B2* 9. Apparatus according to claim 8, characterized in that the screw seal is operated by means of an electromotor of which the operating phases are run via said process computer.
- 15 10. Apparatus according to any or several of the preceding claims, characterized in that a cylindrical sterilisation boiler is placed symmetrically though non-concentrically within the cylindrical outer boiler, such that in the use-position the volume of the fluid or water space down in the double-walled boiler is considerably larger than up in the boiler.
- 20 11. Apparatus according to any or several of preceding claims 1-9, characterized in that a cylindrical sterilisation boiler is placed concentrically within a cylindrical outer boiler.
- 25 12. Apparatus according to any of preceding claims 1-9, characterized in that the process computer and a sterilisation apparatus according to claim 10 or 11 are provided in a casing in which also the fluid reservoir with corresponding pump, control appendages, a dry-air connection and a connection to a vacuum line with valves being present.
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